

| Ref # | Hits  | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|---|------------------|---------|------------------|
| L1    | 0     | rf with (delay and if) and ((variable or adaptive or automatic) with gain)                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:56 |
| L2    | 0     | rf with (delay and if)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:51 |
| L3    | 0     | rf with (delay and "if")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:51 |
| L4    | 0     | rf near2 (delay and "if")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:52 |
| L5    | 0     | rf near2 ((delay or (down adj2 convert\$3)) and "if")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:53 |
| L6    | 72360 | ((variable or adaptive or automatic) with gain) with "if"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:53 |
| L7    | 0     | ((variable or adaptive or automatic) with gain) with "if"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:54 |
| L8    | 0     | ((variable or adaptive or automatic) with gain) with "IF"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:54 |
| L9    | 0     | ((variable or adaptive or automatic) with gain) near2 "IF"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:54 |
| L10   | 211   | "IF"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:54 |
| L11   | 3     | 10 and ((variable or adaptive or automatic) with gain)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:55 |
| L12   | 128   | rf with (delay and (intermediate adj1 frequency)) and ((variable or adaptive or automatic) with gain) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/11/28 09:57 |

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| L13 | 192   | rf with (delay and (intermediate adj1 frequency or center adj2 frequency)) and ((variable or adaptive or automatic) with gain)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 09:58 |
| L14 | 192   | rf with (delay and (intermediate adj1 frequency or (center adj2 frequency))) and ((variable or adaptive or automatic) with gain) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 09:58 |
| L15 | 134   | 14 and (@ad<="20010507" or @pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 09:59 |
| L16 | 39    | 15 and ((reduc\$3 or eliminat\$3) with interference)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 10:03 |
| L17 | 2     | "6154503".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 11:02 |
| L18 | 0     | 17 and delay\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 10:03 |
| L19 | 2     | "6823022".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 11:02 |
| L20 | 0     | 19 and analyz\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/28 11:02 |
| S1  | 10    | "5425000".pn. "6256477".pn.<br>"5668828".pn. "6510312".pn.<br>"5113400".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/05 14:49 |
| S2  | 761   | 375/345.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:34 |
| S3  | 0     |  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/30 18:16 |
| S4  | 51985 | (agc or (automatic adj gain adj control))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 15:19 |

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S5  | 24    | ( (agc or (automatic adj gain adj control))) and (length or duration) near interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/30 18:28 |
| S6  | 19    | (( (agc or (automatic adj gain adj control))) and (length or duration) near interference) and @ad<="20010707"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/30 18:28 |
| S7  | 21    | ( (agc or (automatic adj gain adj control))) and (periodicity or duration) near interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/30 18:28 |
| S8  | 18    | (( (agc or (automatic adj gain adj control))) and (periodicity or duration) near interference) and @ad<="20010707"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/30 18:28 |
| S9  | 1     | ( (agc or (automatic adj gain adj control))) and (periodicity) near interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/30 18:29 |
| S10 | 26493 | (automatic or adaptive or programmable) adj gain adj (control or amplifier)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 09:50 |
| S11 | 8     | ((automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (tabulat\$3 or stor\$3 or acquir\$3) near interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 09:51 |
| S12 | 6     | ((((automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (tabulat\$3 or stor\$3 or acquir\$3) near interference) and @ad<="20020507"                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 07:58 |
| S13 | 85    | ((automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (mitigat\$3 adj3 interference)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 09:51 |
| S14 | 51    | ((((automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (mitigat\$3 adj3 interference)) and @ad<="20010507"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 08:28 |
| S15 | 0     | (((((automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (mitigat\$3 adj3 interference)) and @ad<="20010507") and (acquir\$3 or stor\$3 or tabulat\$3) near interference | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 08:29 |

|     |     |   |                                    |    |     |                  |
|-----|-----|---|------------------------------------|----|-----|------------------|
| S16 | 75  | (automatic or adaptive or programmable) adj gain adj (control or amplifier) and (mitigat\$3 near interference)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 08:39 |
| S17 | 47  | ((automatic or adaptive or programmable) adj gain adj (control or amplifier) and (mitigat\$3 near interference)) and @ad<="20010507"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 08:28 |
| S18 | 0   | ((((automatic or adaptive or programmable) adj gain adj (control or amplifier) and (mitigat\$3 near interference)) and @ad<="20010507") and (acquir\$3 or stor\$3 or tabulat\$3) near interference                          | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 08:30 |
| S19 | 12  | ((((automatic or adaptive or programmable) adj gain adj (control or amplifier) and (mitigat\$3 near interference)) and @ad<="20010507") and (acquir\$3 or stor\$3 or tabulat\$3) near (statistic\$1 or data or information) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 09:34 |
| S20 | 3   | (automatic or adaptive or programmable) adj gain adj (control or amplifier) with (mitigat\$3 near interference)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 08:39 |
| S21 | 7   | ("5345409"   "5442353"   "5541600"   "5621345"   "5689440"   "5787125"   "6151354").PN.   | USPAT                              | OR | OFF | 2004/08/31 08:41 |
| S22 | 136 | 375/343.ccls. and (acquir\$3 or stor\$3 or tabulat\$3) near (statistic\$1 or data or information)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 09:50 |
| S23 | 110 | (375/343.ccls. and (acquir\$3 or stor\$3 or tabulat\$3) near (statistic\$1 or data or information)) and (agc or (automatic adj gain control))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 10:11 |
| S24 | 23  | (375/343.ccls. and (acquir\$3 or stor\$3 or tabulat\$3) near (statistic\$1 or data or information)) and (agc or (automatic adj gain adj control))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 09:36 |
| S25 | 21  | ((375/343.ccls. and (acquir\$3 or stor\$3 or tabulat\$3) near (statistic\$1 or data or information)) and (agc or (automatic adj gain adj control))) and @ad<="20010507"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/08/31 09:36 |

|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S26 | 95  | 375/345.ccls. and (acquir\$3 or stor\$3 or tabulat\$3) near (statistic\$1 or data or information)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 09:50 |
| S27 | 74  | 375/343.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:10 |
| S28 | 0   | (375/343.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (tabulat\$3 or stor\$3 or acquir\$3) near interference                                     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:11 |
| S29 | 3   | (375/343.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (mitigat\$3 adj interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 09:52 |
| S30 | 1   | (interference adj detection) near (gain adj control)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 09:53 |
| S31 | 457 | 375/345.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:10 |
| S32 | 0   | (375/345.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and ((tabulat\$3 or stor\$3 or acquir\$3) near interference)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:12 |
| S33 | 457 | (375/345.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (agc or (automatic adj gain control))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:11 |
| S34 | 0   | (375/345.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (mitigat\$3 adj interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:12 |
| S35 | 0   | ((375/345.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (agc or (automatic adj gain control))) and (mitigat\$3 adj interference)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 10:13 |
| S36 | 4   | ((375/345.ccls. and (automatic or adaptive or programmable) adj gain adj (control or amplifier)) and (agc or (automatic adj gain control))) and ((mitigat\$3 or eliminat\$3) adj interference) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 11:43 |

|     |       |  |   |    |     |                  |
|-----|-------|--|---|----|-----|------------------|
| S37 | 2     | (agc or (automatic adj gain adj control)) with (interference adj estimation)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 11:53 |
| S38 | 14    | (agc or (automatic adj gain adj control)) and (interference adj estimation)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/31 11:54 |
| S39 | 26121 | (automatic or variable) adj (gain adj control)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:10 |
| S40 | 1506  | ((automatic or variable) adj (gain adj control)) and (multipath or doppler adj shift))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:10 |
| S41 | 1927  | ((automatic or variable) adj (gain adj control)) and (multipath or doppler )   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:10 |
| S42 | 1475  | ((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:12 |
| S43 | 982   | (((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507") and (tabulat\$3 or stor\$3 or sav\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:13 |
| S44 | 733   | ((((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507") and (tabulat\$3 or stor\$3 or sav\$3) ) and (strength or duration)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:14 |
| S45 | 60    | ((((((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507") and (tabulat\$3 or stor\$3 or sav\$3) ) and (strength or duration)) and adjust\$3 adj gain                            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:15 |
| S46 | 0     | (((((((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507") and (tabulat\$3 or stor\$3 or sav\$3) ) and (strength or duration)) and adjust\$3 adj gain) and chang\$3 adj antenna | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 10:16 |

|     |     |  |                                    |    |     |                  |
|-----|-----|--|------------------------------------|----|-----|------------------|
| S47 | 0   | (((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507") and (tabulat\$3 or stor\$3 or sav\$3) ) and (strength or duration)) and adjust\$3 adj gain) and chang\$3 near antenna      | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/10 10:16 |
| S48 | 10  | (((((automatic or variable) adj (gain adj control)) and (multipath or doppler )) and @ad<="20010507") and (tabulat\$3 or stor\$3 or sav\$3) ) and (strength or duration)) and adjust\$3 adj gain) and reduc\$3 near interference | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/10 10:20 |
| S49 | 1   | "09332501"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/10 10:24 |
| S50 | 4   | "6571089".PN. "6539213".PN.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/10 10:24 |
| S51 | 388 | 455/266.ccls.  | USPAT; DERWENT                     | OR | OFF | 2004/09/10 12:12 |
| S52 | 39  | 455/266.ccls. and (automatic adj gain adj control)   | USPAT; DERWENT                     | OR | OFF | 2004/09/10 16:05 |
| S53 | 38  | (455/266.ccls. and (automatic adj gain adj control)) and @ad<="20010507"   | USPAT; DERWENT                     | OR | OFF | 2004/09/10 15:13 |
| S54 | 2   | "6239626".pn.  | USPAT; DERWENT                     | OR | OFF | 2004/09/10 13:18 |
| S55 | 2   | (US-6539213-\$).did. or (US-6571089-\$).did.   | USPAT; DERWENT                     | OR | OFF | 2004/09/10 14:15 |
| S56 | 0   | ((US-6539213-\$).did. or (US-6571089-\$).did.) and chang\$3 near frequency   | USPAT; DERWENT                     | OR | OFF | 2004/09/10 14:15 |
| S57 | 0   | ((US-6539213-\$).did. or (US-6571089-\$).did.) and frequency near transmission\$1  | USPAT; DERWENT                     | OR | OFF | 2004/09/10 14:16 |
| S58 | 1   | ((US-6539213-\$).did. or (US-6571089-\$).did.) and antenna   | USPAT; DERWENT                     | OR | OFF | 2004/09/10 14:29 |
| S59 | 2   | "6571089".pn.  | USPAT; DERWENT                     | OR | OFF | 2004/09/10 14:29 |
| S60 | 9   | ((455/266.ccls. and (automatic adj gain adj control)) and @ad<="20010507") and variable adj gain   | USPAT; DERWENT                     | OR | OFF | 2004/09/10 15:14 |

|     |         |   |   |    |     |                  |
|-----|---------|---|---|----|-----|------------------|
| S61 | 6       | ((455/266.ccls. and (automatic adj gain adj control)) and @ad<="20010507") and variable adj gain) and delay\$3  | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 15:14 |
| S62 | 678     | (agc or (automatic adj gain adj control)) with interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 15:19 |
| S63 | 66      | ( (agc or (automatic adj gain adj control)) with interference) and delay\$3 and (variable adj gain)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 15:19 |
| S64 | 49      | (( (agc or (automatic adj gain adj control)) with interference) and delay\$3 and (variable adj gain)) and @ad<="20010507"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 15:30 |
| S65 | 14      | (( (agc or (automatic adj gain adj control)) with interference) and delay\$3 and (variable adj gain)) and @ad<="20010507") and (multipath or doppler)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 16:05 |
| S66 | 23      | ("3944926"   "4103234"   "4339724"   "4350879"   "4403331"   "4517679"   "4530088"   "4567602"   "4644565"   "4720839"   "4730344"   "5327455"   "5341396"   "5365547"   "5491457"   "5719899"   "5729570"   "5732114"   "5784402"   "5790588"   "6198777"   "6445749"   "6470055").PN. | USPAT                                       | OR | OFF | 2004/09/10 15:40 |
| S67 | 2817379 | transmission or transmit\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/10 15:41 |
| S68 | 10      | (automatic adj gain adj control) with (interference adj (reduc\$4 or mitigat\$3 or remov\$3))   | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 16:06 |
| S69 | 9       | ((automatic adj gain adj control) with (interference adj (reduc\$4 or mitigat\$3 or remov\$3))) and @ad<="20010507"   | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 16:05 |
| S70 | 14114   | (automatic adj gain adj control) and detect\$3  | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 16:05 |
| S71 | 203     | ( (automatic adj gain adj control) and detect\$3) and (interference adj (reduc\$4 or mitigat\$3 or remov\$3))   | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 16:06 |



|     |     |  |   |    |     |                  |
|-----|-----|--|---|----|-----|------------------|
| S72 | 193 | (( (automatic adj gain adj control) and detect\$3) and (interference adj (reduc\$4 or mitigat\$3 or remov\$3))) and @ad<="20010507"  | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 16:10 |
| S73 | 17  | (( (automatic adj gain adj control) and detect\$3) and (interference adj (reduc\$4 or mitigat\$3 or remov\$3))) and @ad<="20010507") and control\$3 near (variable adj gain) | USPAT;<br>DERWENT                           | OR | OFF | 2004/09/10 16:11 |
| S74 | 276 | time adj2 vary\$3 adj gain   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 10:44 |
| S75 | 0   | (time adj2 vary\$3 adj gain) with interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 10:46 |
| S76 | 74  | (time adj2 vary\$3 adj gain) and interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 10:46 |
| S77 | 63  | ((time adj2 vary\$3 adj gain) and interference) and @ad<="20010507"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 10:46 |
| S78 | 0   | (( (time adj2 vary\$3 adj gain) and interference) and @ad<="20010507") and conrol\$3 near gain   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 10:46 |
| S79 | 27  | (( (time adj2 vary\$3 adj gain) and interference) and @ad<="20010507") and control\$3 near gain  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 12:45 |
| S80 | 27  | (( ((time adj2 vary\$3 adj gain) and interference) and @ad<="20010507") and control\$3 near gain) and (interference or multipath\$1 or doppler)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 12:13 |
| S81 | 6   | ("5138277"   "5634191"   "5802452"   "6317582"   "6404775"   "6469984").PN.  | USPAT                                       | OR | OFF | 2004/09/11 11:52 |
| S82 | 148 | (variable adj gain) with interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 12:19 |
| S83 | 15  | ((variable adj gain) with interference) and detect\$3 near interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/11 12:19 |

|     |       |  |                                    |    |     |                  |
|-----|-------|--|------------------------------------|----|-----|------------------|
| S84 | 11    | ((variable adj gain) with interference) and detect\$3 near interference) and @ad<="20010507"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:42 |
| S85 | 408   | 455/272.ccls.  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:42 |
| S86 | 16346 | ((variable adj gain) or (automatic adj gain)) and (interference near detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:44 |
| S87 | 1147  | ((variable adj gain) or (automatic adj gain)) with (interference near detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:48 |
| S88 | 982   | ((variable adj gain) or (automatic adj gain)) with (interference near detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)) and @ad<="20010507"                           | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:50 |
| S89 | 799   | ((variable adj gain) or (automatic adj gain)) with (interference near detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)) and @ad<="20010507") and control\$3 near gain | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:49 |
| S90 | 1142  | ((variable adj gain) or (automatic adj gain)) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:49 |
| S91 | 979   | ((variable adj gain) or (automatic adj gain)) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)) and @ad<="20010507"                            | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:49 |
| S92 | 796   | ((variable adj gain) or (automatic adj gain)) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3)) and @ad<="20010507") and control\$3 near gain  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:50 |
| S93 | 468   | ((variable adj gain) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3))   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:49 |

|          |      |   |                                    |    |     |                  |
|----------|------|---|------------------------------------|----|-----|------------------|
| S94      | 386  | ((((variable adj gain) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3))) and @ad<="20010507"   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:50 |
| S95      | 226  | (((((variable adj gain) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3))) and @ad<="20010507") and control\$3 near gain  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:51 |
| S96      | 45   | (((((variable adj gain) with (interference adj detect\$3 or tabulat\$3 or eliminat\$3 or mitigat\$3))) and @ad<="20010507") and control\$3 near gain) and monitor\$3  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/11 12:52 |
| S97      | 6920 | (transmission or transmit\$4) with (agc or (gain adj control))  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/13 10:08 |
| S98      | 175  | ((transmission or transmit\$4) with (agc or (gain adj control))) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference   | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/13 10:14 |
| S99      | 149  | ((transmission or transmit\$4) with (agc or (gain adj control))) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference) and @ad<="20010507"  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/13 10:14 |
| S10<br>0 | 101  | (((((transmission or transmit\$4) with (agc or (gain adj control))) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference) and @ad<="20010507") and (tabulat\$3 or stor\$3)  | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/13 08:27 |
| S10<br>1 | 1    | (((((transmission or transmit\$4) with (agc or (gain adj control))) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference) and @ad<="20010507") and (tabulat\$3 or stor\$3)) and ((periodicity or duration or length) near interference) | US-PGPUB; USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/09/13 08:35 |

|          |    |   |   |    |     |                  |
|----------|----|---|---|----|-----|------------------|
| S10<br>2 | 0  | (((((transmission or transmit\$4)<br>with (agc or (gain adj control)))<br>and (eliminat\$3 or mitigat\$3 or<br>remov\$3 or minimiz\$3) adj<br>interference) and<br>@ad<="20010507") and<br>(tabulat\$3 or stor\$3)) and<br>((determin\$3 adj (type or length))<br>near interference)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 08:36 |
| S10<br>3 | 45 | (((((transmission or transmit\$4)<br>with (agc or (gain adj control)))<br>and (eliminat\$3 or mitigat\$3 or<br>remov\$3 or minimiz\$3) adj<br>interference) and<br>@ad<="20010507") and<br>(tabulat\$3 or stor\$3)) and<br>(multipath\$1 or doppler)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:15 |
| S10<br>4 | 7  | (interference adj eliminat\$3) with<br>(agc or ( automatic adj gain) or<br>(variable adj gain))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:00 |
| S10<br>5 | 2  | "5732341".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:00 |
| S10<br>6 | 21 | ("4817198"   "4989074"  <br>"5036527"   "5093840"  <br>"5119508"   "5134707"  <br>"5179353"   "5184349"  <br>"5276685"   "5321847"  <br>"5321851"   "5331638"  <br>"5339453"   "5369792"  <br>"5408698"   "5448774"  <br>"5493713"   "5509030"  <br>"5555277"   "5564092"  <br>"5564094").PN. | USPAT                                       | OR | OFF | 2004/09/13 10:00 |
| S10<br>7 | 0  | ((transmission or transmit\$4) with<br>(agc or (gain adj control))) and<br>delay with if  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:11 |
| S10<br>8 | 0  | ((transmission or transmit\$4) with<br>(agc or (gain adj control))) and<br>(delay and if)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:12 |
| S10<br>9 | 0  | ((transmission or transmit\$4) with<br>(agc or (gain adj control))) and<br>(delay\$3 and if)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:12 |
| S11<br>0 | 0  | ((transmission or transmit\$4) with<br>(agc or (gain adj control))) and<br>(delay\$3 and "if")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:14 |

|          |      |  |   |    |     |                  |
|----------|------|--|---|----|-----|------------------|
| S11<br>1 | 2338 | ((transmission or transmit\$4) with (agc or (gain adj control))) and (delay\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:14 |
| S11<br>2 | 121  | ((((transmission or transmit\$4) with (agc or (gain adj control))) and (delay\$3)) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:14 |
| S11<br>3 | 101  | (((((transmission or transmit\$4) with (agc or (gain adj control))) and (delay\$3)) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference) and @ad<="20010507"                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:14 |
| S11<br>4 | 48   | (((((transmission or transmit\$4) with (agc or (gain adj control))) and (delay\$3)) and (eliminat\$3 or mitigat\$3 or remov\$3 or minimiz\$3) adj interference) and @ad<="20010507") and (multipath\$1 or doppler) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:24 |
| S11<br>5 | 6    | "6571089".pn. "6539213".pn. "6768727".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:24 |
| S11<br>6 | 0    | ("6571089".pn. "6539213".pn. "6768727".pn.) and "if"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:24 |
| S11<br>7 | 3    | ("6571089".pn. "6539213".pn. "6768727".pn.) and delay\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/13 10:24 |
| S11<br>8 | 2    | "5911115".pn. "5265151.pn"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/23 08:56 |
| S11<br>9 | 0    | "5765151.pn"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/23 08:56 |
| S12<br>0 | 2    | "5265151".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/23 13:43 |
| S12<br>1 | 518  | bluetooth near transceiver\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/23 13:45 |

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S12<br>2 | 12  | (bluetooth near transceiver\$1) and<br>@ad<="19991209"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/09/23 13:47 |
| S12<br>3 | 716 | (spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:20 |
| S12<br>4 | 438 | ((spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference) and<br>@ad<="20010507"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:21 |
| S12<br>5 | 12  | ((spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference) and<br>@ad<="20010507") and predict\$3<br>near interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:32 |
| S12<br>6 | 18  | ((spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference) and<br>@ad<="20010507") and (variable<br>adj gain)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:30 |
| S12<br>7 | 1   | ((spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference) and<br>@ad<="20010507") and (variable<br>adj gain)) and predict\$3 near<br>interference                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:28 |
| S12<br>8 | 56  | ((spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference) and<br>@ad<="20010507") and<br>((variable or automatic or<br>adapt\$3) adj gain)                                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/05 12:01 |
| S12<br>9 | 2   | ((spectr\$4 or signal) adj2<br>(predict\$3 or estimat\$3) with<br>interference) and<br>@ad<="20010507") and<br>((variable or automatic or<br>adapt\$3) adj gain)) and predict\$3<br>near interference | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:56 |
| S13<br>0 | 22  | interference adj (suppress\$3 or<br>reject\$4 or remov\$3 or eliminat\$3<br>or reduction) with ((variable or<br>automatic or adaptive) adj gain)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:59 |
| S13<br>1 | 22  | interference adj (suppress\$3 or<br>reject\$4 or remov\$3 or eliminat\$3<br>or reduction) with ((variable or<br>automatic or adaptive) adj gain)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 09:59 |

|          |    |   |   |    |     |                  |
|----------|----|---|---|----|-----|------------------|
| S13<br>2 | 1  | (predict\$3 near (occurence or duration)) with interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 10:13 |
| S13<br>3 | 1  | (predict\$3 near (occurence or duration)) near interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 10:14 |
| S13<br>4 | 19 | (interference adj (suppress\$3 or reject\$4 or remov\$3 or eliminat\$3 or reduction) with ((variable or automatic or adaptive) adj gain)) and @ad<="20010507"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 10:13 |
| S13<br>5 | 0  | ((interference adj (suppress\$3 or reject\$4 or remov\$3 or eliminat\$3 or reduction) with ((variable or automatic or adaptive) adj gain)) and @ad<="20010507") and (predict\$3 near (occurence or duration)) near interference | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 10:15 |
| S13<br>6 | 0  | ((interference adj (suppress\$3 or reject\$4 or remov\$3 or eliminat\$3 or reduction) with ((variable or automatic or adaptive) adj gain)) and @ad<="20010507") and (predict\$3 near interference)                              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/04 10:15 |
| S13<br>7 | 7  | ((US-6539213-\$ or US-6052485-\$ or US-6754293-\$ or US-6275518-\$ or US-6256477-\$ or US-5717717-\$ or US-5668828-\$ or US-5872540-\$).did. or (US-6571089-\$).did.) and stor\$3   | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/04 14:32 |
| S13<br>8 | 2  | "5425000".pn.   | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/04 14:32 |
| S13<br>9 | 9  | (US-6539213-\$ or US-6052485-\$ or US-6754293-\$ or US-6275518-\$ or US-6256477-\$ or US-5717717-\$ or US-5668828-\$ or US-5872540-\$).did. or (US-6571089-\$).did.   | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/04 15:49 |
| S14<br>0 | 3  | ((US-6539213-\$ or US-6052485-\$ or US-6754293-\$ or US-6275518-\$ or US-6256477-\$ or US-5717717-\$ or US-5668828-\$ or US-5872540-\$).did. or (US-6571089-\$).did.) and transmissions   | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 08:14 |
| S14<br>1 | 43 | interference with (schedul\$3 near transmission\$1)   | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/04 15:52 |

|          |       |   |                   |    |     |                  |
|----------|-------|---|-------------------|----|-----|------------------|
| S14<br>2 | 37    | (interference with (scheduling\$3 near transmission\$1)) and @ad<="20010507"  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 15:52 |
| S14<br>3 | 2     | ((interference with (scheduling\$3 near transmission\$1)) and @ad<="20010507") and (variable or automatic or adjust\$3 or adapt\$3) adj2 gain   | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 16:46 |
| S14<br>4 | 763   | (transmission or transmitting) with (avoid\$3 near interference)  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 16:48 |
| S14<br>5 | 92    | ((transmission or transmitting) with (avoid\$3 near interference)) and (automatic or adaptive or variable) adj gain   | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 16:48 |
| S14<br>6 | 82    | ((transmission or transmitting) with (avoid\$3 near interference)) and (automatic or adaptive or variable) adj gain) and @ad<="20010507"  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 16:49 |
| S14<br>7 | 30    | ((transmission or transmitting) with (avoid\$3 near interference)) and (automatic or adaptive or variable) adj gain) and @ad<="20010507") and (signal near strength)  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 16:58 |
| S14<br>8 | 18    | ((transmission or transmitting) with (avoid\$3 near interference)) and (automatic or adaptive or variable) adj gain) and @ad<="20010507") and (fec or (forward adj error))  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 17:11 |
| S14<br>9 | 19249 | automatic adj gain adj control  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 17:12 |
| S15<br>0 | 1378  | (automatic adj gain adj control) and subtraction  | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 17:12 |
| S15<br>1 | 5     | ((automatic adj gain adj control) and subtraction) and (antenna near (orientation or polarity))   | USPAT;<br>DERWENT | OR | OFF | 2004/10/04 17:12 |
| S15<br>2 | 25    | ("3913029"   "4334322"   "4388723"   "4550311"   "4550312"   "4558453"   "4606041"   "4628270"   "4691377"   "4704585"   "4752939"   "4761796"   "4773085"   "4799062"   "4872182"   "4935940"   "4977577"   "5005169"   "5210771"   "5235613"   "5311541"   "5353311"   "5377221"   "5394433"   "5452319").PN. | USPAT             | OR | OFF | 2004/10/04 17:34 |



|          |      |  |                   |    |     |                  |
|----------|------|--|-------------------|----|-----|------------------|
| S15<br>3 | 58   | interference with ((waveform or signal) near subtraction)  | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 08:15 |
| S15<br>4 | 14   | ((interference with ((waveform or signal) near subtraction)) and (multipath\$1 or (multi adj2 path\$1)))   | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 08:16 |
| S15<br>5 | 17   | interference with (orientation near antenna\$3)  | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:13 |
| S15<br>6 | 1    | ((interference with (orientation near antenna\$3)) and @ad<="20010507") and agc  | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:13 |
| S15<br>7 | 15   | ((interference with (orientation near antenna\$3)) and @ad<="20010507")  | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:03 |
| S15<br>8 | 0    | interference with (orientation near antenna\$3 and transmission\$1))   | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:30 |
| S15<br>9 | 433  | interference with (fec or (foward aj error adj correction))  | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:31 |
| S16<br>0 | 71   | interference with (fec or (foward adj error adj correction))   | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:32 |
| S16<br>1 | 63   | ((interference with (fec or (foward adj error adj correction))) and @ad<="20010507")   | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:32 |
| S16<br>2 | 2    | ((interference with (fec or (foward adj error adj correction))) and @ad<="20010507") and increas\$3 near (fec or (foward adj error adj correction))            | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:32 |
| S16<br>3 | 13   | ((interference with ((waveform or signal) near subtraction)) and (multipath\$1 or (multi adj2 path\$1))) and @ad<="20010507"                                   | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:38 |
| S16<br>4 | 2    | ((interference with ((waveform or signal) near subtraction)) and (multipath\$1 or (multi adj2 path\$1))) and @ad<="20010507") and (interleaving or redundancy) | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:39 |
| S16<br>5 | 2    | ("5425000".pn. "5668828".pn. "6256477".pn.) and (interleaving or redundancy)   | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 09:42 |
| S16<br>6 | 1714 | increasing with ((crc) or interleav\$3 or redundancy)  | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 10:09 |
| S16<br>7 | 1500 | ((increasing with ((crc) or interleav\$3 or redundancy)) and (eliminat\$3 or remov\$3 or mitigat\$3 or reduc\$3 or minimiz\$3))                                | USPAT;<br>DERWENT | OR | OFF | 2004/10/05 10:10 |

|          |     |   |   |    |     |                  |
|----------|-----|---|---|----|-----|------------------|
| S16<br>8 | 41  | ((increasing with ((crc) or interleav\$3 or redundancy)) and (eliminat\$3 or remov\$3 or mitigat\$3 or reduc\$3 or minimiz\$3) adj interference                                 | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 10:10 |
| S16<br>9 | 7   | ((((increasing with ((crc) or interleav\$3 or redundancy)) and (eliminat\$3 or remov\$3 or mitigat\$3 or reduc\$3 or minimiz\$3) adj interference) and @ad<="20010507") and agc | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 09:45 |
| S17<br>0 | 38  | ((increasing with ((crc) or interleav\$3 or redundancy)) and (eliminat\$3 or remov\$3 or mitigat\$3 or reduc\$3 or minimiz\$3) adj interference) and @ad<="20010507"            | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 09:48 |
| S17<br>1 | 214 | increasing ADJ ((crc) or interleav\$3 or redundancy)  | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 10:09 |
| S17<br>2 | 180 | ((increasing ADJ ((crc) or interleav\$3 or redundancy)) and (eliminat\$3 or remov\$3 or mitigat\$3 or reduc\$3 or minimiz\$3)   | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 10:10 |
| S17<br>3 | 7   | ((increasing ADJ ((crc) or interleav\$3 or redundancy)) and (eliminat\$3 or remov\$3 or mitigat\$3 or reduc\$3 or minimiz\$3) adj interference                                  | USPAT;<br>DERWENT                           | OR | OFF | 2004/10/05 10:11 |
| S17<br>4 | 1   | 455/63.3.CCLS. AND (((spectr\$4 or signal) adj2 (predict\$3 or estimat\$3) with interference) and @ad<="20010507") and ((variable or automatic or adapt\$3) adj gain)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/05 12:02 |
| S17<br>5 | 0   | 714/795.ccls. and (((spectr\$4 or signal) adj2 (predict\$3 or estimat\$3) with interference) and @ad<="20010507") and ((variable or automatic or adapt\$3) adj gain)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/05 12:02 |
| S17<br>6 | 3   | 375/136.ccls. and (((spectr\$4 or signal) adj2 (predict\$3 or estimat\$3) with interference) and @ad<="20010507") and ((variable or automatic or adapt\$3) adj gain)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/05 12:04 |

|          |         |  |   |    |     |                  |
|----------|---------|--|---|----|-----|------------------|
| S17<br>7 | 7       | 375/346.ccls. and (((spectr\$4 or signal) adj2 (predict\$3 or estimat\$3) with interference) and @ad<="20010507") and ((variable or automatic or adapt\$3) adj gain) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/10/05 14:47 |
| S17<br>8 | 247     | identif\$3 with (radar adj (pulse\$1 or signal\$1))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/31 16:51 |
| S17<br>9 | 4       | S178 and predict\$3 with (duration or occurrence)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/05/31 16:51 |
| S18<br>0 | 814     | 375/345.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:38 |
| S18<br>1 | 497     | S180 and (automatic or adaptive) with gain adj control   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:38 |
| S18<br>2 | 78      | S181 and ((strength or magnitude) and duration)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:38 |
| S18<br>3 | 51      | S182 and (@ad<="20010507" or @pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:38 |
| S18<br>4 | 3645440 | S183 and tabulat\$3 or stor\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:15 |
| S18<br>5 | 35      | S183 and (tabulat\$3 or stor\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:15 |
| S18<br>6 | 213     | 455/219.ccls.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:40 |
| S18<br>7 | 55      | S186 and (automatic or adaptive) with gain adj control   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:40 |
| S18<br>8 | 12      | S187 and ((strength or magnitude) and duration)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:40 |

|          |          |   |   |    |     |                  |
|----------|----------|---|---|----|-----|------------------|
| S18<br>9 | 12       | S188 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:40 |
| S19<br>0 | 108      | 455/240.1.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:40 |
| S19<br>1 | 65       | S190 and (automatic or adaptive) with gain adj control  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>2 | 15       | S191 and ((strength or magnitude) and duration)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>3 | 27111651 | 13and (@ad<="20010507" or @pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:40 |
| S19<br>4 | 12       | S192 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>5 | 218      | 455/245.1.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>6 | 133      | S195 and (automatic or adaptive) with gain adj control  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>7 | 133      | S196 and (automatic or adaptive) with gain adj control  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>8 | 18       | S197 and ((strength or magnitude) and duration)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S19<br>9 | 11       | S198 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/06 19:43 |
| S20<br>0 | 1569     | interference and (duration or (how adj long)) and (periodicity or (recurring with interval\$1)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:10 |

|          |      |  |   |    |     |                  |
|----------|------|--|---|----|-----|------------------|
| S20<br>1 | 1529 | interference and (duration or continuance) and (periodicity or (recurring with interval\$1)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:21 |
| S20<br>2 | 172  | S201 and ((automatic or adaptive or adjustable) adj (gain adj control))                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:12 |
| S20<br>3 | 113  | S202 and (@ad<="20010507" or @pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:20 |
| S20<br>4 | 56   | S203 and ((tabulat\$3 or stor\$3) with information)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:13 |
| S20<br>5 | 8    | S204 and detecting with (noise or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:19 |
| S20<br>6 | 320  | (periodicity or recurrence or recurring) adj2 (noise or interference)                        | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:20 |
| S20<br>7 | 238  | S206 and (@ad<="20010507" or @pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:02 |
| S20<br>8 | 4    | S207 and (duration or continuance or continuing) adj2 (noide or interference)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:21 |
| S20<br>9 | 10   | S207 and (duration or continuance or continuing) adj2 (noise or interference)                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:29 |
| S21<br>0 | 0    | 202/0173271  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:38 |
| S21<br>1 | 0    | 2002/0173271   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:38 |
| S21<br>2 | 2    | "20020173271"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:39 |

|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S21<br>3 | 5     | "9322850"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:40 |
| S21<br>4 | 2     | "5946624".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:41 |
| S21<br>5 | 2     | "6463261".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 15:42 |
| S21<br>6 | 2     | "6366573".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:09 |
| S21<br>7 | 2     | "6356528".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:01 |
| S21<br>8 | 0     | interence adj characterization                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:01 |
| S21<br>9 | 36    | interference adj (characterization<br>or characterizing)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:02 |
| S22<br>0 | 25    | S219 and (@ad<="20010507" or<br>@pd<="20010507")             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:15 |
| S22<br>1 | 12089 | "25" and ((automatic or adaptive)<br>adj (gain adj control)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:03 |
| S22<br>2 | 0     | S220 and ((automatic or adaptive)<br>adj (gain adj control)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:03 |
| S22<br>3 | 0     | S220 and (gain adj control)                                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:03 |
| S22<br>4 | 2     | "6215777".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:10 |

|          |        |  |   |    |     |                  |
|----------|--------|--|---|----|-----|------------------|
| S22<br>5 | 2      | "5844934".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:10 |
| S22<br>6 | 8      | (US-20020173271-\$).did. or<br>(US-5946624-\$ or US-6463261-\$<br>or US-6366573-\$ or US-6215777-\$<br>or US-5844934-\$).did. or<br>(WO-9322850-\$).did. or<br>(EP-639313-\$).did. | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT      | OR | OFF | 2005/06/11 16:11 |
| S22<br>7 | 2      | S226 and (gain adj control)  | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT      | OR | OFF | 2005/06/11 16:11 |
| S22<br>8 | 56851  | ((agc) or (automatic adj gain adj<br>control))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:30 |
| S22<br>9 | 83     | S228 and (interference or noise)<br>with (characterization or<br>reccurence or recurring or daration<br>or continuance)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:31 |
| S23<br>0 | 771    | S228 and (interference or noise)<br>with (characterization or<br>reccurence or recurring or duration<br>or continuance)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:31 |
| S23<br>1 | 240112 | "77" and (tabulat\$3 or stor\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:32 |
| S23<br>2 | 539    | S230 and (tabulat\$3 or stor\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:32 |
| S23<br>3 | 90     | S232 and (adjusting or lowering or<br>maintaining or raising) with gain  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 16:33 |
| S23<br>4 | 69     | S233 and (@ad<="20010507" or<br>@pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:14 |
| S23<br>5 | 0      | 455/63.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:14 |
| S23<br>6 | 927    | 455/63.1.ccls.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:14 |

|          |     |  |   |    |     |                  |
|----------|-----|--|---|----|-----|------------------|
| S23<br>7 | 107 | S236 and interference with characteristic\$1                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:15 |
| S23<br>8 | 60  | S229 and (periodicity or occurrence or duration)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:15 |
| S23<br>9 | 40  | S238 and (@ad<="20010507" or @pd<="20010507")                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:20 |
| S24<br>0 | 31  | S239 and gain adj control  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:16 |
| S24<br>1 | 18  | S230 and detect\$3 adj interference                                | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:35 |
| S24<br>2 | 8   | S241 and (@ad<="20010507" or @pd<="20010507")                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:20 |
| S24<br>3 | 3   | "6807405".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:39 |
| S24<br>4 | 2   | "5196720".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:41 |
| S24<br>5 | 2   | automatic adj gain adj control with (rf adj interference)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:48 |
| S24<br>6 | 0   | automatic adj gain adj control with (reducing adj interference)    | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:45 |
| S24<br>7 | 3   | automatic adj gain adj control with (eliminating adj interference) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:45 |
| S24<br>8 | 4   | (automatic adj gain adj control) with (interference adj level)     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:50 |



|          |   |   |   |    |     |                  |
|----------|---|---|---|----|-----|------------------|
| S24<br>9 | 5 | (automatic adj gain adj control)<br>with (interference with adaptive)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/06/11 17:50 |
| S25<br>0 | 8 | (interference or noise) near2<br>detect\$3 near2 ((occurrence or<br>period\$5) near2 (duration or<br>length))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 17:04 |
| S25<br>1 | 6 | S250 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 16:59 |
| S25<br>2 | 1 | 342/352.ccls. and (interference or<br>noise) near2 detect\$3 near2<br>((occurrence or period\$5) near2<br>(duration or length))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 17:05 |
| S25<br>3 | 1 | "342"/\$.ccls. and (interference or<br>noise) near2 detect\$3 near2<br>((occurrence or period\$5) near2<br>(duration or length))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:15 |
| S25<br>4 | 8 | soprano.in.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 18:45 |
| S25<br>5 | 1 | S254 and detect\$ near2<br>occurrence   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 18:45 |
| S25<br>6 | 0 | (automatic or variable) near2 gain<br>and (interference or noise) near2<br>detect\$3 near2 ((occurrence or<br>period\$5) near2 (duration or<br>length))                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:15 |
| S25<br>7 | 0 | (automatic or variable or adjust\$3)<br>near2 gain and (interference or<br>noise) near2 detect\$3 near2<br>((occurrence or period\$5) near2<br>(duration or length))              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:16 |
| S25<br>8 | 0 | (automatic or variable or adjust\$3)<br>near2 gain and (interference or<br>noise or multipath) near2 detect\$3<br>near2 ((occurrence or period\$5)<br>near2 (duration or length)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:16 |
| S25<br>9 | 8 | (interference or noise or<br>multipath) near2 detect\$3 near2<br>((occurrence or period\$5) near2<br>(duration or length))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:17 |

|          |       |   |   |    |     |                  |
|----------|-------|---|---|----|-----|------------------|
| S26<br>0 | 8     | (interference or noise or multipath) near2 detect\$3 near2 ((occurrence or period\$5 or recurr\$3 or cycl\$1) near2 (duration or length)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:20 |
| S26<br>1 | 9     | (interference or noise or radar) near2 detect\$3 near2 ((occurrence or period\$5 or recurr\$3 or cycl\$1) near2 (duration or length))     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/08 19:21 |
| S26<br>2 | 7686  | (interference or noise) near2 (tabulat\$3 or stor\$3 or accumulat\$)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:38 |
| S26<br>3 | 5419  | S262 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:38 |
| S26<br>4 | 1992  | (interference) near2 (tabulat\$3 or stor\$3 or accumulat\$)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:38 |
| S26<br>5 | 12154 | (interference) with (tabulat\$3 or stor\$3 or accumulat\$)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:38 |
| S26<br>6 | 1409  | S264 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:44 |
| S26<br>7 | 9     | S266 and rf adj1 interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:39 |
| S26<br>8 | 51    | S266 and (automatic or var\$5 or adjust\$5) adj2 gain   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 15:47 |
| S26<br>9 | 24    | S264 and ((maintain\$3 adj2 gain) (adjust\$3 adj2 gain) (rais\$3with (gain adj2 level\$1)) (lower\$3 with (gain adj2 level\$1)))          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:57 |
| S27<br>0 | 15    | S269 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:53 |
| S27<br>1 | 0     | tabulat\$3 near rf near2 interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:53 |

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S27<br>2 | 20   | tabulat\$3 near2 interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:56 |
| S27<br>3 | 18   | S272 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:56 |
| S27<br>4 | 1675 | (tabulat\$3 or stor\$3) near2<br>interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:56 |
| S27<br>5 | 1182 | S274 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 16:56 |
| S27<br>6 | 13   | S275 and ((maintain\$3 adj2 gain)<br>(adjust\$3 adj2 gain) (rais\$3with<br>(gain adj2 level\$1)) (lower\$3 with<br>(gain adj2 level\$1))) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 18:59 |
| S27<br>7 | 648  | 375/345.ccls. and gain adj2<br>control\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:00 |
| S27<br>8 | 55   | S277 and look adj2 up near table  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:09 |
| S27<br>9 | 41   | S278 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:19 |
| S28<br>0 | 20   | S279 and (reoccurr\$3 or repetitive<br>or repeat\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:19 |
| S28<br>1 | 381  | (reoccurr\$3 or repetitive or<br>repeat\$3) adj2 interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:19 |
| S28<br>2 | 251  | S281 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:19 |
| S28<br>3 | 12   | S282 and gain adj2 control\$3   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:28 |

|          |       |   |   |    |     |                  |
|----------|-------|---|---|----|-----|------------------|
| S28<br>4 | 87    | 342/17.ccls. and (ecm or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:29 |
| S28<br>5 | 13    | S284 and gain adj2 control\$4   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/14 19:30 |
| S28<br>6 | 1894  | ((burst) (coherent) (bi adj2 polar) (uni adj2 polar)) near2 interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 09:50 |
| S28<br>7 | 969   | S286 and (tabula\$3 or stor\$3 or memor\$4 or sav\$3)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 09:51 |
| S28<br>8 | 972   | S286 and (tabulat\$3 or stor\$3 or memor\$5 or sav\$3)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 09:51 |
| S28<br>9 | 68    | S288 and (agc or (automatic adj2 gain adj2 control\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 10:46 |
| S29<br>0 | 10    | (US-20020173271-\$).did. or (US-5511233-\$ or US-5844934-\$ or US-5946624-\$ or US-6215777-\$ or US-6366573-\$ or US-6463261-\$ or US-6804501-\$).did. or (WO-9322850-\$).did. or (EP-639313-\$).did. | US-PGPUB;<br>USPAT;<br>EPO;<br>DERWENT      | OR | OFF | 2005/11/15 09:54 |
| S29<br>1 | 42    | S289 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 10:46 |
| S29<br>2 | 2     | (US-20050163196-\$ or US-20020183070-\$).did.   | US-PGPUB                                    | OR | OFF | 2005/11/15 10:24 |
| S29<br>3 | 3227  | (monitor\$3 or stor\$3) near2 interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 10:45 |
| S29<br>4 | 2891  | (monitor\$3 or stor\$3) adj3 interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 10:45 |
| S29<br>5 | 17797 | (monitor\$3 or stor\$3) with interference   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/15 10:45 |

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S29<br>6 | 1988 | S294 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/15 10:46 |
| S29<br>7 | 55   | S296 and (agc or (automatic adj2 gain adj2 control\$4))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/15 10:46 |
| S29<br>8 | 46   | (agc\$1 or gain\$1 near3 control\$4 or gain near2 process\$4) with (tabulat\$4 near3 interference near3 rf or tabulat\$4 near3 noise near3 rf or tabulat\$4 near3 distort\$4 near3 rf or stor\$3 near3 interference near3 rf or stor\$3 near3 noise or stor\$3 near3 distort\$4 near3 rf or buffer\$3 near3 interference near3 rf or buffer\$3 near3 noise near3 rf or buffer\$3 near3 distort\$4 near3 rf or register\$3 near3 interference near3 rf or register\$3 near3 noise or rom\$1 near3 interference near3 rf or ram\$1 near3 interference near3 rf or monitor\$3 near3 rf near3 interference or lut near3 rf near3 interference or look adj1 up adj1 table near3 rf near3 interference) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:10 |
| S29<br>9 | 31   | S298 and (@ad<="20010507" or @pd<="20010507")   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 10:21 |
| S30<br>0 | 3    | (US-20020123365-\$).did. or (US-5960028-\$ or US-6246698-\$). did.  | US-PGPUB;<br>USPAT  | OR | OFF | 2005/11/23 08:11 |
| S30<br>1 | 0    | (rf near3 detect\$3 near3 interference) with (agc\$1 or gain adj2 control\$4 or gain near3 process\$3) with (buffer\$3 near3 statistic\$3 or stor\$3 near3 statistic\$4 or ROM\$1 near3 statistic\$3 or memory near3 statistic\$3 or ram\$1 near3 statistic\$3 or register\$3 near3 statistic\$3 or tabulat\$4 near3 statistic\$4 or LUT near3 statistic\$4 or look adj1 up adj2 table\$1 rf near3 interference)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/23 08:25 |

|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S30<br>2 | 0     | (rf near3 detect\$3 near3 interference) with (agc\$1 or gain adj2 control\$4 or gain near3 process\$3) with (buffer\$3 near3 statistic\$2 or stor\$3 near3 statistic\$2 or ROM\$1 near3 statistic\$2 or memory near3 statistic\$2 or ram\$1 near3 statistic\$2 or register\$3 near3 statistic\$2 or tabulat\$4 near3 statistic\$2 or LUT near3 statistic\$2 or look adj1 up adj2 table\$1 rf near3 interference) | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2005/11/23 08:25 |
| S30<br>3 | 4     | (US-5267310-\$ or US-4912766-\$ or US-3781882-\$).did. or (DE-3021690-\$).did.   | USPAT;<br>DERWENT   | OR | OFF | 2005/11/23 08:38 |
| S30<br>4 | 0     | agc near3 (eliminat\$3 or remov\$3 or (over adj1 com\$3)) near3 rf near3 (interference or noise)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:47 |
| S30<br>5 | 9071  | (stor\$3 or acculat\$3 or tabulat\$3) near3 (noise or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:47 |
| S30<br>6 | 11574 | (stor\$3 or accumulat\$3 or tabulat\$3) near3 (noise or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:48 |
| S30<br>7 | 398   | agc and (stor\$3 or accumulat\$3 or tabulat\$3) near3 (noise or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:48 |
| S30<br>8 | 281   | S307 and (@ad<="20010507" or @pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:48 |
| S30<br>9 | 149   | S308 and detect\$3 near3 (noise or interference)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:49 |
| S31<br>0 | 91    | S309 and (frequency or strength or magnitude) near3 (noise or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:50 |
| S31<br>1 | 43    | S309 and (frequency or strength or magnitude) near1 (noise or interference)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT                       | OR | OFF | 2005/11/23 08:50 |

|          |      |   |   |    |     |                  |
|----------|------|---|---|----|-----|------------------|
| S31<br>2 | 3    | (rf near2 (noise or interference))<br>near2 (adjust\$3 or increas\$3 or<br>decreas\$3) near2 gain                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 10:14 |
| S31<br>3 | 4    | (rf near2 (noise or interference))<br>near2 (adjust\$3 or increas\$3 or<br>decreas\$3) near2 (gain or agc)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 10:20 |
| S31<br>4 | 9    | ("4864244"   "5235424"  <br>"5347569"   "5381450"  <br>"5444743"   "5448595"  <br>"5636252"   "5671253"  <br>"5805241").PN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2005/11/23 10:17 |
| S31<br>5 | 1113 | (noise or interference) near2<br>(adjust\$3 or increas\$3 or<br>decreas\$3) near2 (gain or agc)                             | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 10:20 |
| S31<br>6 | 704  | S315 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 10:21 |
| S31<br>7 | 364  | S316 and (periodic or duration or<br>length)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 10:22 |
| S31<br>8 | 14   | S316 and (periodic or duration or<br>length) near (interference or<br>noise)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 10:22 |
| S31<br>9 | 9    | ("4352293"   "4408285"  <br>"4426641"   "4607529"  <br>"4901244"   "5501105"  <br>"5565764"   "5686669"  <br>"5698788").PN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2005/11/23 12:43 |
| S32<br>0 | 1165 | (noise or interference) with<br>((adjust\$3 or direct\$3) adj3 gain)  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2005/11/23 12:44 |
| S32<br>1 | 1385 | (noise or interference) with<br>((adjust\$3 or direct\$3) adj3 gain)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 12:46 |
| S32<br>2 | 891  | S321 and (@ad<="20010507" or<br>@pd<="20010507")  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 12:47 |
| S32<br>3 | 55   | S322 and detect\$3 with antenna\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 13:30 |

|          |        |   |   |    |     |                  |
|----------|--------|---|---|----|-----|------------------|
| S32<br>4 | 2      | S323 and avoid\$3 near<br>interference  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 12:48 |
| S32<br>5 | 0      | S323 and equaliz\$3 with<br>multipaths  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 13:08 |
| S32<br>6 | 1      | S323 and equaliz\$5 with<br>multipath\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 13:09 |
| S32<br>7 | 20     | S323 and (strength or duration)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/23 13:30 |
| S32<br>8 | 2      | "6823022".pn.   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 11:42 |
| S32<br>9 | 1      | S328 and length with (noise or<br>interference)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 11:43 |
| S33<br>0 | 1      | S328 and strength with (noise or<br>interference)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 11:43 |
| S33<br>1 | 9      | ("4641317"   "4743906"  <br>"4813057"   "4979186"  <br>"5363108"   "5677927"  <br>"5687169"   "5832035"  <br>"6301306").PN. | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2005/11/25 12:30 |
| S33<br>2 | 5856   | interferenec or noise near2<br>(pattern\$1 or recognition)  | US-PGPUB;<br>USPAT;<br>USOCR                | OR | OFF | 2005/11/25 12:31 |
| S33<br>3 | 523561 | interference or noise near2<br>(pattern\$1 or recognition)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:31 |
| S33<br>4 | 521700 | S333 and interference or noise<br>near2 (stor\$3 or tabulat\$3 or<br>memory or lut)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:32 |
| S33<br>5 | 3749   | S333 and (interference or noise)<br>near2 (stor\$3 or tabulat\$3 or<br>memory or lut)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:33 |



|          |       |  |   |    |     |                  |
|----------|-------|--|---|----|-----|------------------|
| S33<br>6 | 2822  | S333 and (interference or noise)<br>near2 (stor\$3 or tabulat\$3)          | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:33 |
| S33<br>7 | 1905  | S336 and (@ad<="20010507" or<br>@pd<="20010507")                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:47 |
| S33<br>8 | 112   | S337 and (agc or (automatic adj1<br>gain))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:47 |
| S33<br>9 | 23    | S338 and (strength or duration)<br>with (interference or noise)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:48 |
| S34<br>0 | 20039 | (interference or noise) with (table<br>or metric\$1 or matr\$3)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:48 |
| S34<br>1 | 12372 | S340 and (@ad<="20010507" or<br>@pd<="20010507")                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:47 |
| S34<br>2 | 531   | S341 and (agc or (automatic adj1<br>gain))                                 | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:47 |
| S34<br>3 | 79    | S342 and (strength or duration)<br>with (interference or noise)            | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 13:33 |
| S34<br>4 | 32    | S343 and (stor\$3 or tabulat\$3)<br>with (interference or noise)           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 12:48 |
| S34<br>5 | 8     | "6603825".pn. "6463261".pn.<br>"6807405.pn" "6510312".pn.<br>"4457007".pn. | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 13:37 |
| S34<br>6 | 3     | "6807405".pn.  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/11/25 13:37 |